

FIG. 1A

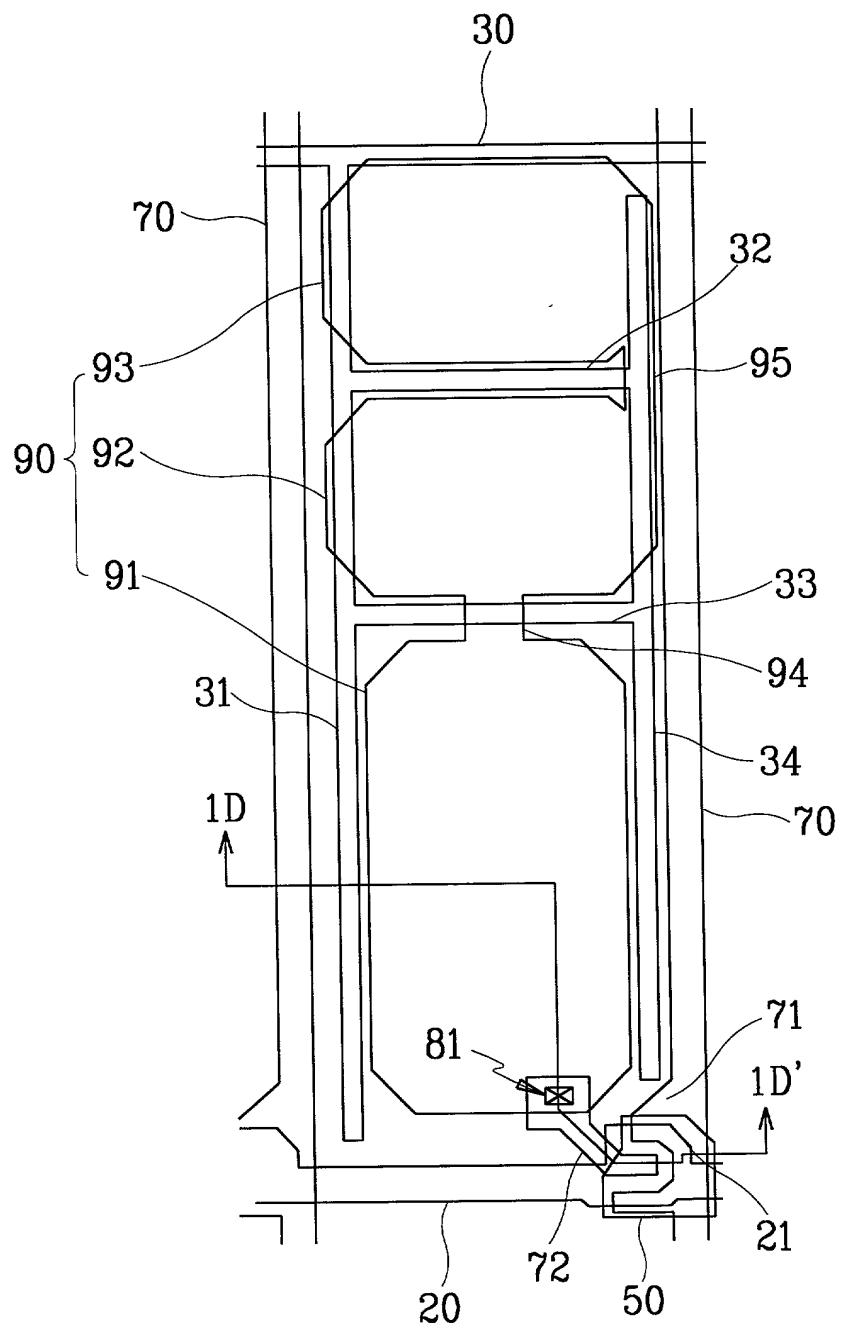
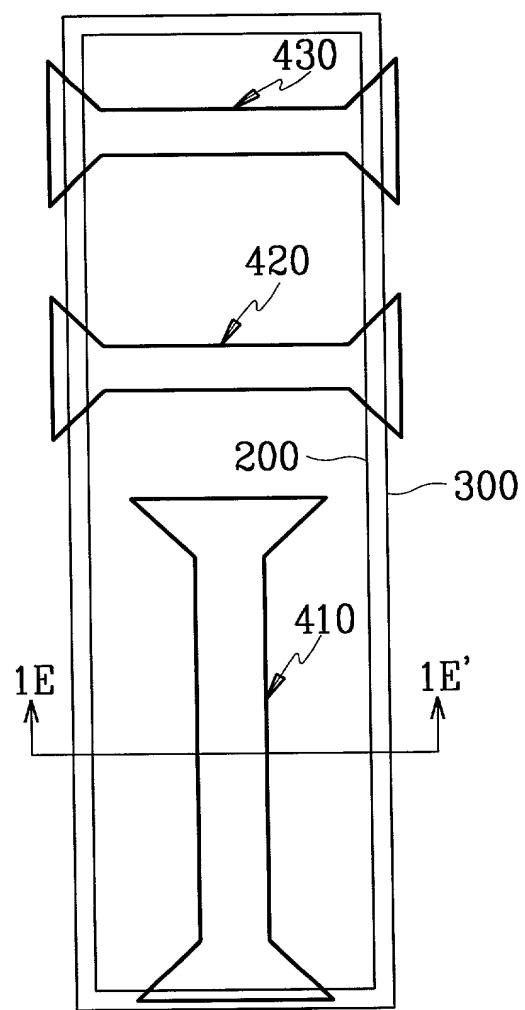


FIG.1B



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FIG.1C

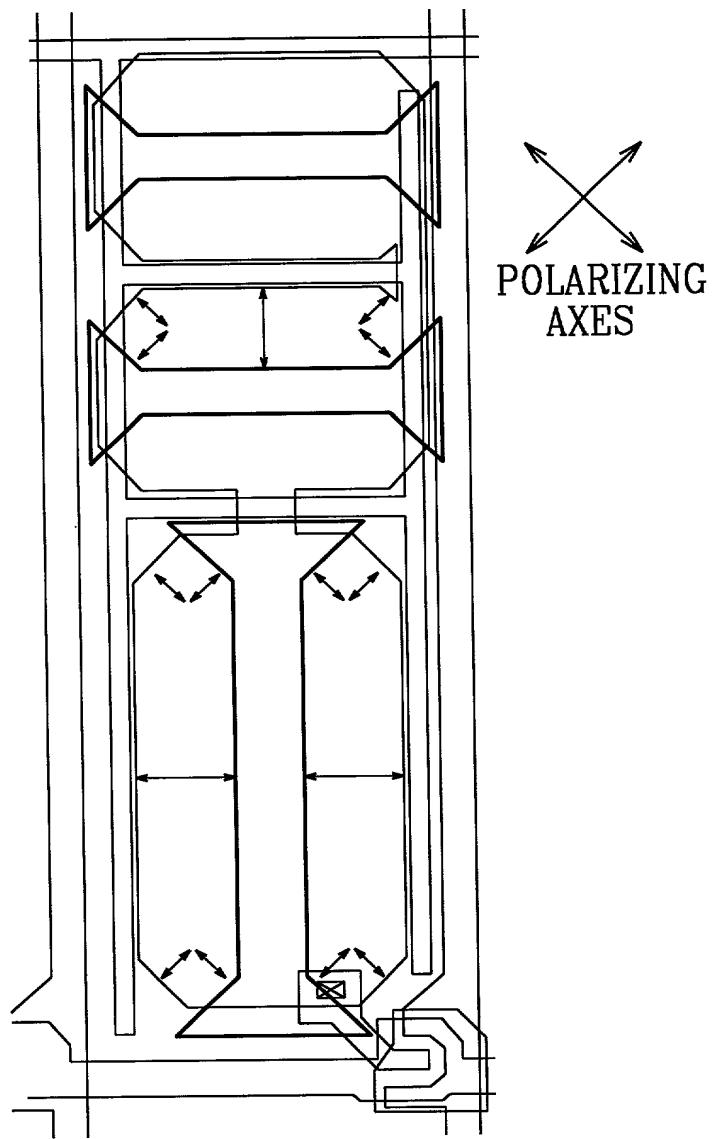


FIG. 1D

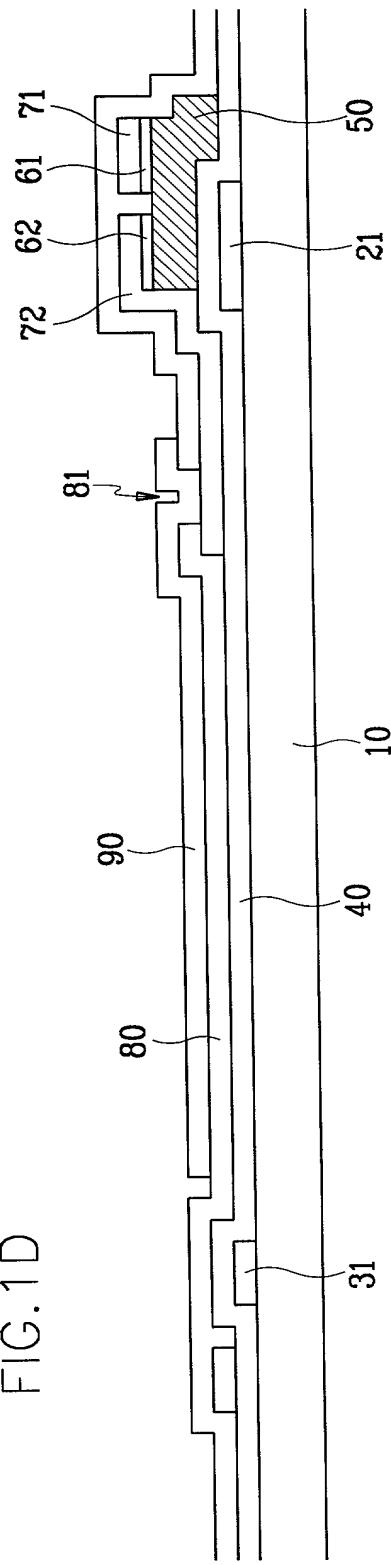


FIG. 1E

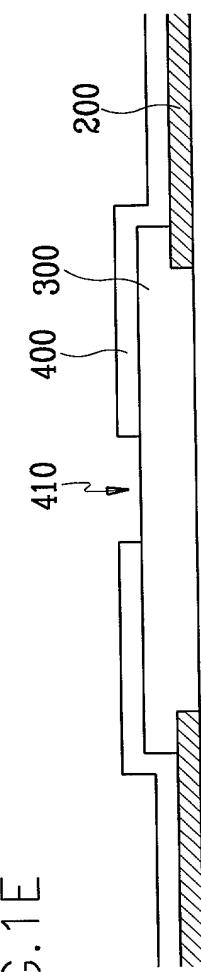


FIG. 1F

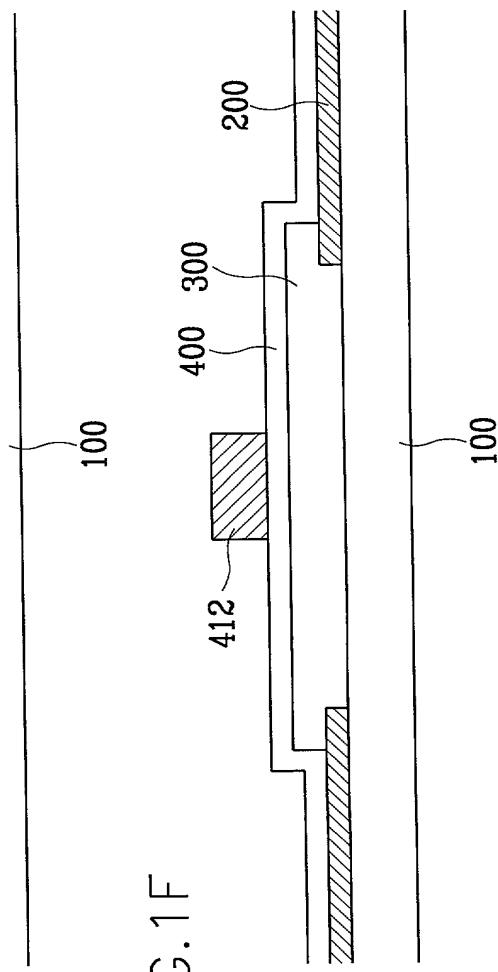


FIG.2A

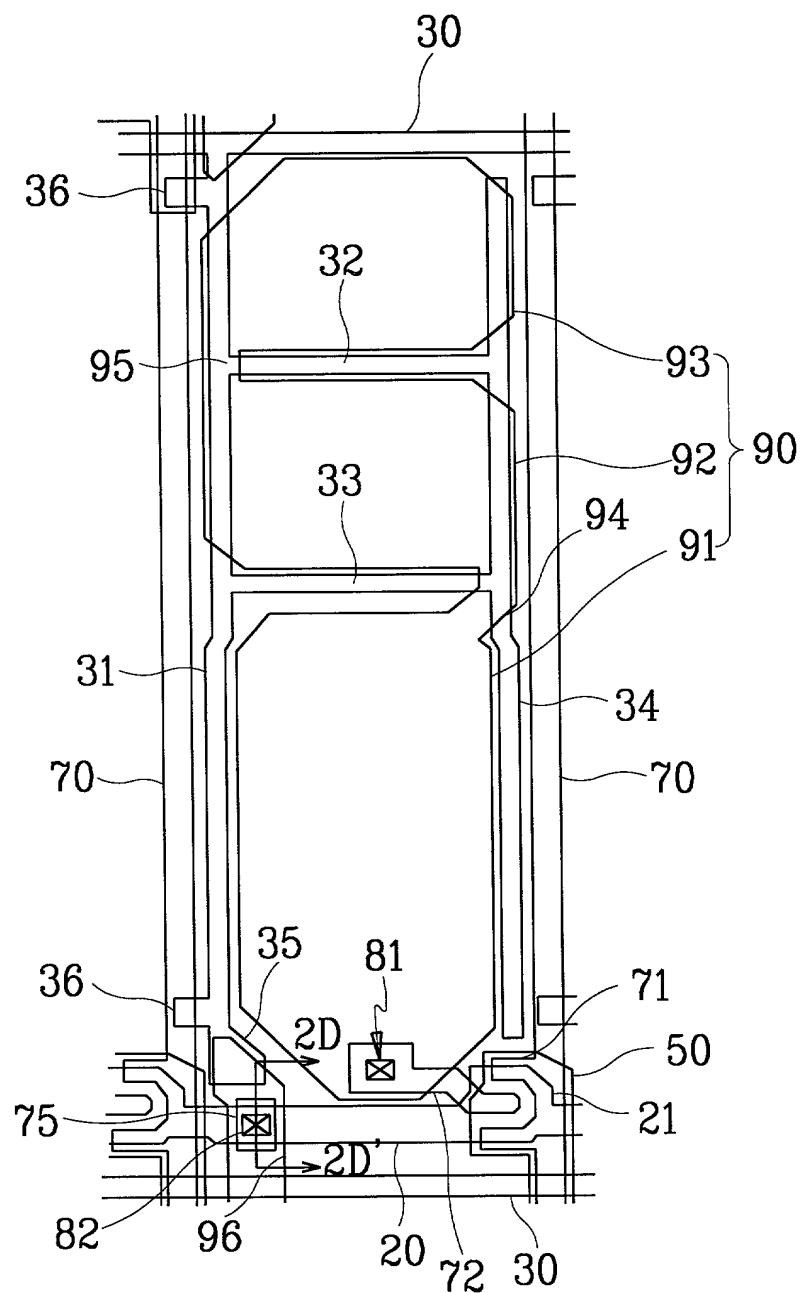


FIG.2B

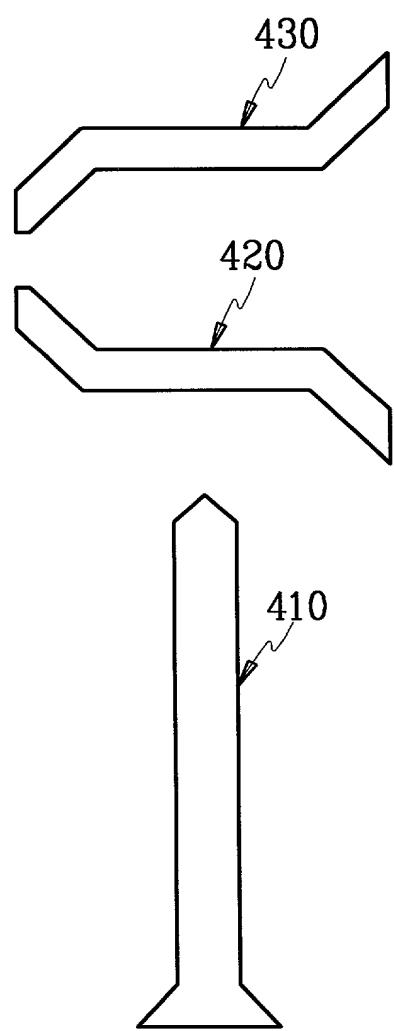


FIG.2C

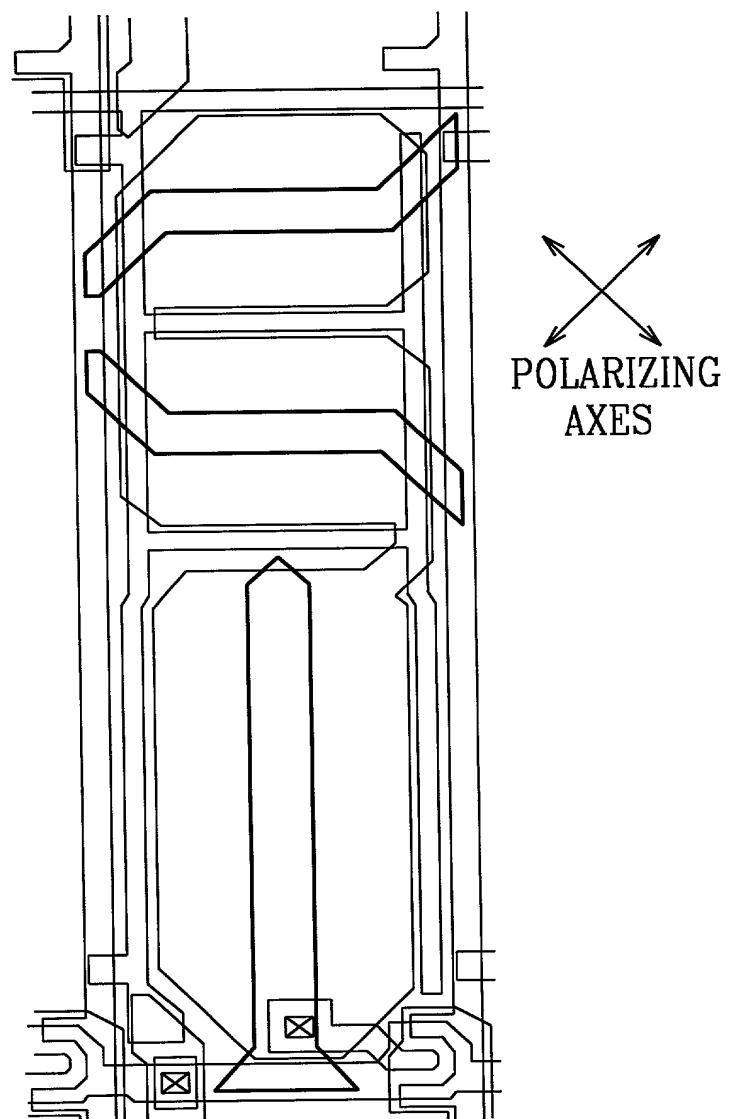


FIG. 2D

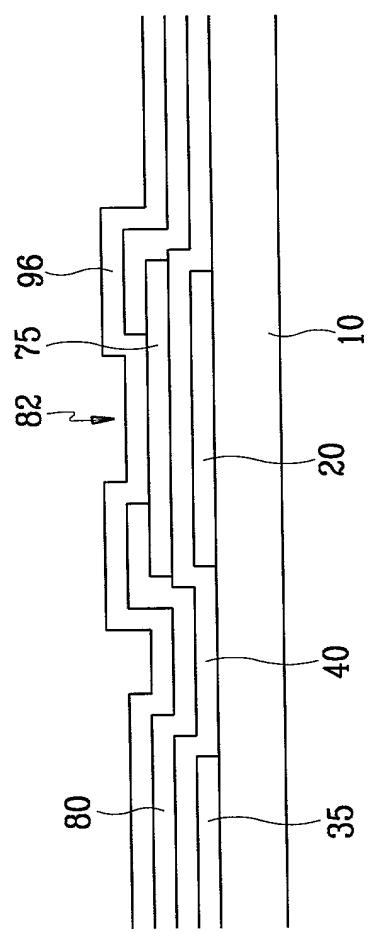


FIG.3A

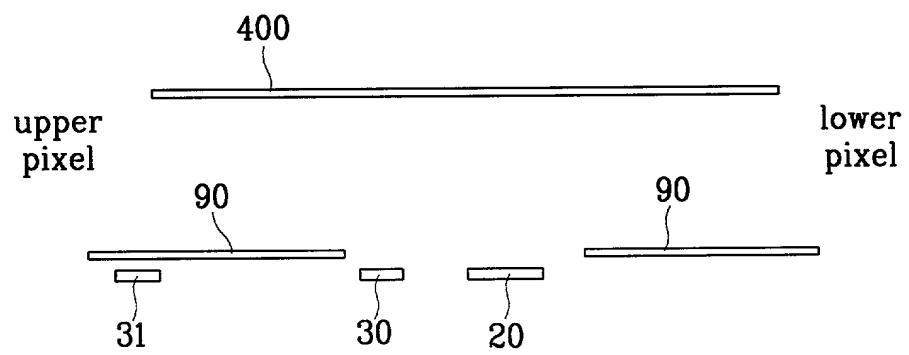


FIG. 3B

	TIME	POLARITY OF UPPER PIXEL	POLARITY OF LOWER PIXEL	WITH STORAGE ELECTRODE	WITHOUT STORAGE ELECTRODE
EXAMPLE 1	Gate ON	+	+	A contour plot showing electric field lines around two vertical electrodes. The field is symmetric and centered between the electrodes.	A contour plot showing electric field lines around two vertical electrodes. The field is centered between the electrodes.
	Gate OFF	+	-	A contour plot showing electric field lines around two vertical electrodes. The field is centered between the electrodes.	A contour plot showing electric field lines around two vertical electrodes. The field is centered between the electrodes.
EXAMPLE 2	Gate ON	-	-	A contour plot showing electric field lines around two vertical electrodes. The field is centered between the electrodes.	A contour plot showing electric field lines around two vertical electrodes. The field is centered between the electrodes.
	Gate OFF	-	+	A contour plot showing electric field lines around two vertical electrodes. The field is centered between the electrodes.	A contour plot showing electric field lines around two vertical electrodes. The field is centered between the electrodes.

FIG.4A

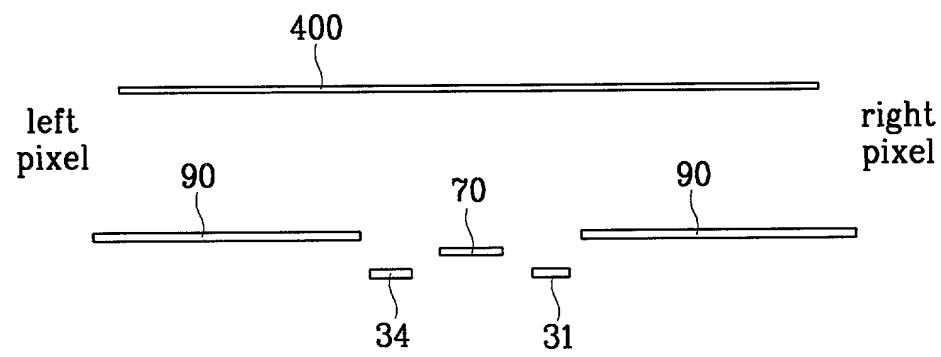
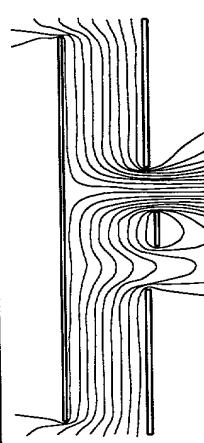
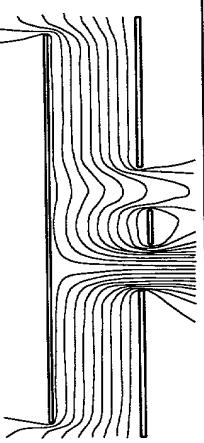
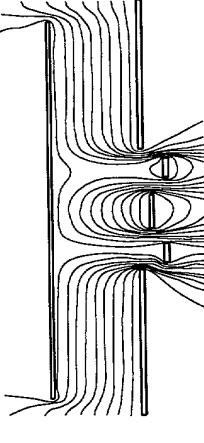
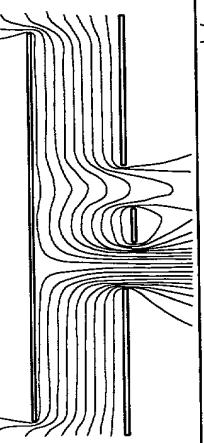


FIG. 4B

	POLARITY OF LEFT PIXEL	POLARITY OF RIGHT PIXEL	POLARITY OF DATA LINE	WITH STORAGE ELECTRODE	WITHOUT STORAGE ELECTRODE
EXAMPLE 1	+	-	+		
					
EXAMPLE 2	-	+	-	